

Appl. No. 10/064,865  
 Amdt. dated December 7, 2004  
 Reply to Office action of September 22, 2004

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

- 5 1 (currently amended): A method for setting an initial integrity count value for a radio  
 bearer in a wireless communication system, the wireless communicationsystem  
 comprising:  
 an integrity key;  
 at least a mobile unit comprising a first integrity count value, the first integrity count  
 10 value consisting of a predetermined bit length;  
 at least a ~~17192414~~ universal terrestrial radio access network  
~~17192414~~ ~~Carlos Carlos Lee~~ ~~17192414~~ ~~Using a lowercase title is better.~~ (UTRAN)  
 comprising a second integrity count value, the second integrity count value  
 consisting of the predetermined bit length, the UTRAN coupled to the mobile  
 15 unit for transmitting a control command to the mobile unit, the control  
 command used for starting an integrity protection process for the radio bearer,  
 the integrity protection process using the integrity key and the first and second  
 integrity count values for verifying a transmission integrity between the mobile  
 unit and the UTRAN;  
 20 the method comprising:  
 transmitting a START value from the mobile unit to the UTRAN;  
 the UTRAN sending the control command to the mobile unit, and setting the x most  
 significant bits of the second integrity count value equal to the START value;  
 and  
 25 setting the x most significant bits of the first integrity count value of the mobile unit  
 equal to the START value last transmitted to the UTRAN in response to  
 receiving the control command.

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2 (original): The method of claim 1 wherein the control command is further used for  
starting a ciphering process for the radio bearer so that ciphered data is transmitted  
by the radio bearer between the mobile unit and the UTRAN.

5

3 (original): The method of claim 1 wherein a bit length of the START value is less than  
the predetermined bit length of the first integrity count value and the predetermined  
bit length of the second integrity count value.

10 4 (original): The method of claim 1 wherein the START value is retrieved from a  
non-volatile memory positioned on the mobile unit.

5 (original): The method of claim 4 wherein the non-volatile memory is a SIM card.

15